



Synthetic Blend Heavy Duty Engine Oils

PREMIER SYNTHETIC BLEND HD ENGINE OILS are specially engineered for heavy duty diesel and gasoline engines operating under all service conditions, including today's emission-controlled engines with EGR and diesel particulate filters using Ultra-Low Sulfur Diesel fuel (ULSD) and Low Sulfur Diesel (LSD). They provide extra protection and performance compared with conventional engine oil formulations, with excellent oxidation control and soot suspension characteristics to provide outstanding protection for extended drain intervals.

APPLICATIONS

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RECOMMENDATIONS

- Mack EOS-4.5, EO-O Premium Plus, EO-N Premium Plus 03, EO-M Plus, and prior
- Ford WSS-M2C171-F1, WSS-M2C171-E
- GLOBAL DHD-1
- Detroit Diesel 93K222, 93K218, 93K215, 93K214
- Cummins CES 20086, 20081, 20077, 20076
- Renault RLD-4
- Caterpillar ECF-3, ECF-2, ECF-1a
- Mercedes-Benz 228.3, 228.31
- Man 3575, 3275, 270
- MTU 2.1, Type I, Type II
- Volvo VDS-4.5, VDS-4, VDS-3, VDS-2, DHD-1
- ACEA E9, E7, E4 and E2
- JASO DH-2
- Allison C-4
- Caterpillar TO-2
- CID A-A-52306, MIL-PRF-2104G

SAE GRADE	TEST METHOD	15W-40	10W-30
Viscosity: cSt @ 40°C	D445	116.1	82.06
		cSt@100°C	15.66
Viscosity Index	D2270	143	149
Pour Point, °F	D97	-36 (-33)	-39 (-38)
Flash Point (COC), °F	D92	224 (435)	220 (428)
Neutralization NO., TBN-E	D2896	10	10
Sulfated Ash, WT. %	D874	0.99	0.99
Cold Crank Simulator, cP	D5293	5398/-20°C	6270/-25°C
Pumping Viscosity, cP	D4684	21,600/-35°C	23,000/-30°C
		C	C
HTHS Vis @ 150°C, cP	D5481	4.3	3.5